

# Realize a big entertainment future

Change the way you look at things. Philips projection televisions make BIG high definition images a part of the way you see the world. And with the latest in image technology, you won't miss a thing.

## See it as an eyewitness

- Progressive Scan – double the visible picture lines for better resolution
- 100Hz Digital Scan eliminates flicker and line jitter for a stable picture
- HDTV Monitor – HDTV is the latest and best television signal available
- Acclearium™ Digital Optics maximizes picture quality on all inputs
- Saphlon™ Screen – better picture and scratch resistance

## Technology made simple

- Active Control measures signal to produce best picture
- Auto IntelliSense™ Focus – one-touch automatic convergence of the CRT tubes
- APAC – Automatic Phosphor Aging Compensation

## Rich sound experience

- Virtual Dolby® Surround – surround sound without additional rear speakers



# PHILIPS

## Technical specifications

### Picture/Display

- Aspect Ratio: 4:3
- Display Technology: Projection TV, CRT, 7" liquid cooled
- Picture Enhancement: Acclearium Digital Optics, Active Control, APAC, Auto Intellisense, Black Stretch, Blue Stretch, Digital Comb Filter, Color Temperature, Digital Crystal Clear, Digital Noise Reduction, Dynamic Contrast, Progressive Scan, 100Hz Digital Scan
- Screen Enhancements: Saphlon Screen, Anti-Aging Circuit, Anti-Reflection, High Brightness, High Contrast
- Size: 43"

### Supported Display Resolution

- Computer Formats: 640 x 480, 60Hz
- Video Formats: 480i 60Hz, 480p 60Hz, 576i 50Hz, 576p 50Hz, 1080i 60Hz

### Sound

- Bass Enhancement: Bass Boost
- Output Power (RMS): 30 watt RMS (50Hz-10kHz at 5% THD)
- Sound Enhancement: Automatic Volume Leveler
- Speaker Size: 4"x6"
- Speaker Number: 2
- Speaker Type: full range oval

### Tuner/Reception

- Aerial Input: 75 Ohm IEC-Type
- Auto Store: Yes
- Standards: NTSC M (3.58-4.5), NTSC (4.43-5.5), PAL B/G, PAL D/K, PAL I, SECAM B/G, SECAM D/K, SECAM KI

### Connectivity

- AV1: 480i 60Hz, 576i 50Hz, CVBS in, YPbPr, Audio L/R in
- AV2: 480i 60Hz, 576i 50Hz, CVBS in, S-Video Y/C, Audio L/R in
- AV3: Side, 480i 60Hz, 576i 50Hz, CVBS in, S-Video Y/C, Audio L/R in, Headphone out
- AV4: 1080i 60Hz, 480p 60Hz, 576p 50Hz, YPbPr, RGB+H/V
- AV5: 1080i 60Hz, 480p 60Hz, 576p 50Hz, DBI5, RGB+H/V
- Output Rear: Subwoofer out, CVBS out, Audio L/R out

### Convenience

- Child Protection: Child Lock, Parental Control
- Clock Functions: Clock, Sleep Timer
- Convenience Enhancements: Auto Program, Auto Picture Modes, Auto Sound Modes
- Menu Languages: Chinese-Simplified, English, Malay
- Picture Functions: Freeze
- Teletext: 100 page Easytext
- Remote Control: RCS82D, Batteries

### Dimensions

- Product Dimensions (WxHxD): 96 cm x 115 cm x 53 cm
- Product Weight: 57 kg
- Carton Dimensions: 106 cm x 125 cm x 62 cm
- Weight incl. Packaging: 65 kg

### Power

- Complies with Energy Star, less than 1 watt standby
- Mains Power: 90-276V, 50/60Hz
- Power Consumption: 180 watts average

## Product highlights

### 100Hz Digital Scan

Conventional TV creates a picture by scanning 50 times per second (50Hz). This frequency can be detected by the human eye in the form of a field flickering picture. 100Hz sets scan 100 times per second, eliminating the field flickering.

### Progressive Scan

A picture frame consists of two fields: the field with the odd lines (field A) and the field with the even lines (field B). Instead of sending field A to the screen first, followed by field B, the fields A and B are written at one time. In one second, a full image is created using the maximum resolution. At this speed, the human eye perceives a sharper picture with no line structure.

### HDTV Monitor

HDTV Display Capability (1080i). HDTV monitors enable you to view high-definition or enhanced-definition TV programming in the 1080i or 480p signal format. In order to do so, the TV must be connected via its component video or RGB inputs to a set-top box, which is set to operate in the DTV mode. A DTV signal must be present in your area and the set-top box must be tuned to the proper channel. An external over-the-air antenna may be required. Another option is HDTV broadcast satellite service. Stunning realism in both picture and sound are delivered!

### Acclearium™ Digital Optics

Philips micro phosphor CRTs feature improved optics for sharper, more detailed images and enhanced green phosphor, which creates deeper, more natural colors. Hybrid projection lenses work in concert with each CRT to improve focus and correct optical errors, removing distortion and creating a crisp picture to the edge of the screen. The lenticular screen has nearly one-third finer pitch (.515mm) than traditional screens improving picture detail and resolution. The Philips Wideband Video Amplifier reproduces the highest visible bandwidth in its class—resulting in significantly more picture detail in pure HD.

### Saphlon™ Screen

Saphlon™ Screen technology is built with materials and processes that deliver more brightness and picture contrast. It guards against most scratches and fingerprints and eliminates the glare associated with a separate protective screen.

### Auto IntelliSense™ Focus

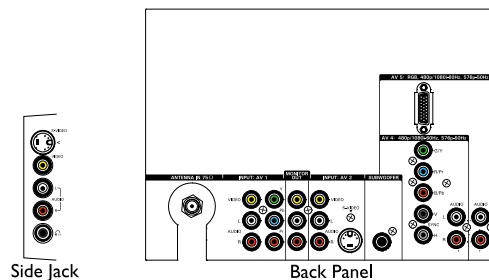
Sensors in the TV scan a predefined test pattern and readjust the signal on the CRTs to assure that red, green and blue are well aligned.

### Active Control

With over 3,000 picture adjustments per minute, this 'proactive control system' continuously analyzes incoming video signal qualities for Dynamic Noise Reduction and sharpness and then automatically corrects them to be like the settings you previously selected in the picture menu.

### APAC

APAC is designed to minimize the effects of image retention from stationary images on the screen. Because both analog sources (cable TV and DVD) and digital sources (HD and progressive scan DVD) have different aspect ratios (4:3, 16:9, 21:9, etc.), the picture on a digital television may have black bars on the sides or top and bottom. When black bars are detected in either the 4:3 or 16:9 viewing mode, APAC automatically shifts the television picture pixel-by-pixel, just enough to soften image retention. APAC works in both the analog and digital modes, so it provides excellent protection.



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